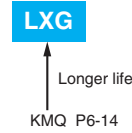


LXG Series

- Endurance with ripple current : 5,000 hours at 105°C
- Non solvent resistant type
- RoHS2 Compliant

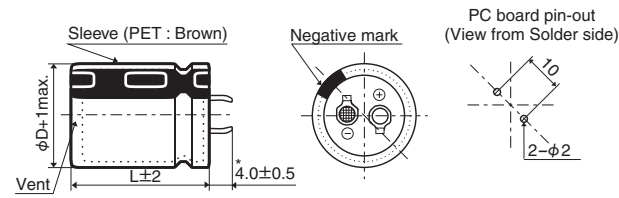


SPECIFICATIONS

Items	Characteristics							
Category	-40 to +105°C							
Temperature Range	-40 to +105°C							
Rated Voltage Range	10 to 100V _{dc}							
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)							
Leakage Current	I=0.02CV or 3mA, whichever is smaller. Where, I : Max. leakage current (µA), C : Nominal capacitance (µF), V : Rated voltage (V) (at 20°C after 5 minutes)							
Dissipation Factor (tan δ)	Rated voltage (V _{dc})	10V	16V	25V	35V	50V	63V	80 & 100V
	tan δ (Max.)	0.60	0.45	0.30	0.25	0.20	0.15	0.15
Low Temperature Characteristics (Max. Impedance Ratio)	Capacitance change : Capacitance at the lowest operating temperature shall not be less than 70% of the 20°C value.							
	Rated voltage (V _{dc})	10V	16V	25V	35V	50V	63V	80 & 100V
	Z(-25°C)/Z(+20°C)	4	4	3	3	2	2	2
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for 5,000 hours at 105°C.							
	Capacitance change	≤ ±25% of the initial value						
	D.F. (tan δ)	≤250% of the initial specified value						
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 105°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4.							
	Capacitance change	≤ ±20% of the initial value						
	D.F. (tan δ)	≤150% of the initial specified value						
Leakage current	≤The initial specified value							

DIMENSIONS [mm]

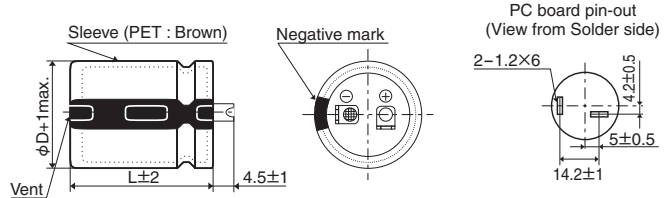
Terminal Code : VS (φ22 to φ35) : Standard



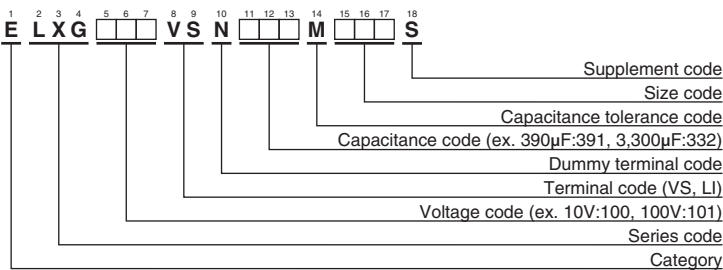
*φD=35mm : 3.5±0.5mm

The standard design has no plastic disc.

Terminal Code : LI (φ35)



PART NUMBERING SYSTEM



Please refer to "Product code guide (snap-in type)"

RATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Frequency(Hz)	50	120	300	1k	10k	50k
10 to 50V _{dc}	0.95	1.00	1.03	1.05	1.08	1.08
63 to 100V _{dc}	0.92	1.00	1.07	1.13	1.19	1.20

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.

◆STANDARD RATINGS

WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/105°C, 120Hz)	Part No.	WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/105°C, 120Hz)	Part No.
80	2,200	35 × 30	0.15	2.09	ELXG800VSN222MA30S	100	1,000	25.4 × 35	0.15	1.41	ELXG101VSN102MQ35S
	2,700	30 × 40	0.15	2.35	ELXG800VSN272MR40S		1,000	30 × 30	0.15	1.42	ELXG101VSN102MR30S
	2,700	35 × 35	0.15	2.37	ELXG800VSN272MA35S		1,000	35 × 25	0.15	1.45	ELXG101VSN102MA25S
	3,300	30 × 50	0.15	2.75	ELXG800VSN332MR50S		1,200	22 × 50	0.15	1.60	ELXG101VSN122MP50S
	3,300	35 × 40	0.15	2.73	ELXG800VSN332MA40S		1,200	25.4 × 40	0.15	1.59	ELXG101VSN122MQ40S
	4,700	35 × 50	0.15	3.46	ELXG800VSN472MA50S		1,200	30 × 35	0.15	1.61	ELXG101VSN122MR35S
100	390	22 × 25	0.15	0.78	ELXG101VSN391MP25S		1,500	25.4 × 50	0.15	1.86	ELXG101VSN152MQ50S
	560	22 × 30	0.15	0.99	ELXG101VSN561MP30S		1,500	30 × 40	0.15	1.87	ELXG101VSN152MR40S
	560	25.4 × 25	0.15	0.98	ELXG101VSN561MQ25S		1,500	35 × 30	0.15	1.85	ELXG101VSN152MA30S
	680	22 × 35	0.15	1.12	ELXG101VSN681MP35S		1,800	35 × 35	0.15	2.07	ELXG101VSN182MA35S
	820	22 × 40	0.15	1.26	ELXG101VSN821MP40S		2,200	30 × 50	0.15	2.40	ELXG101VSN222MR50S
	820	25.4 × 30	0.15	1.23	ELXG101VSN821MQ30S		2,200	35 × 40	0.15	2.39	ELXG101VSN222MA40S
	820	30 × 25	0.15	1.25	ELXG101VSN821MR25S		2,700	35 × 50	0.15	2.81	ELXG101VSN272MA50S

◆MAXIMUM IMPEDANCE [mΩ/20°C, 30kHz]

Case size φD×L(mm)	V _{dc}		
	10 to 63	80	100
22×25	120	150	
22×30	100	120	
22×35	80	95	
22×40	70	80	
22×50	50	60	
25.4×25	90	110	
25.4×30	70	85	
25.4×35	60	70	
25.4×40	50	60	
25.4×50	40	45	
30×25	70	80	
30×30	50	60	
30×35	40	50	
30×40	35	40	
30×50	25	30	
35×25	65	70	
35×30	45	50	
35×35	38	40	
35×40	30	30	
35×50	23	25	